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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1. (previously presented) A vascular prosthesis, comprising a tubular portion and an end formation configured for surgical connection to an opening formed in a blood vessel, said tubular portion including a decreased diameter portion prior to commencement of said end formation, said end formation comprising an enlarged chamber.
- 2. (previously presented) The vascular prosthesis according to claim 1, wherein said enlarged chamber comprises a first diameter parallel to the axis of the tube and a second diameter transverse to the axis of the tube, wherein said first diameter is longer than said second diameter, said first diameter comprising a heel and a toe, wherein a transition between said tube and said toe is outwardly initially convex before a final concave portion.
- 3. (original) The vascular prosthesis according to claim 1, wherein said enlarged chamber is configured to promote localized movement of blood having a non-laminar nature with a shear stress inducing relationship to a wall of said blood vessel.
- 4. (original) The vascular prosthesis according to claim 2, wherein a transition between said tube and said heel is generally outwardly concave.
- 5. (original) The vascular prosthesis according to claim 2, wherein opposing sides of said second diameter are generally outwardly convex.
- 6. (original) The vascular prosthesis according to claim 2, wherein said first diameter is between approximately 14 and 36 mm and said second diameter is no greater than approximately 14 mm.
- 7. (previously presented) The vascular prosthesis according to claim 1, further comprising a second end formation.

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- 8. (previously presented) The vascular prosthesis according to claim 7, wherein said second end formation comprises a second enlarged chamber comprising a first diameter parallel to the axis of the tube and a second diameter transverse to the axis of the tube, wherein said thirst diameter is longer than said second diameter, said first diameter comprising a heel and a toe, wherein a transition between said tube and said toe is outwardly initially convex before a final concave portion.
- 9. (original) The vascular prosthesis according to claim 8, wherein a transition between said tube and said heel of said second enlarged chamber is generally outwardly concave.
- 10. (original) The vascular prosthesis according to claim 8, wherein opposing sides of said second diameter of said second enlarged chamber are generally outwardly convex.
 - 11. (canceled).
 - 12. (canceled).
 - 13. (canceled).
- 14. (previously presented) The vascular prosthesis according to claim 1, wherein the tubular portion and end formation are comprised of a material other than autologous vascular tissue.
- 15. (previously presented) The vascular prosthesis according to claim 1, wherein the tubular portion and end formation are comprised of a polytetrafluoroethylene material.
- 16. (previously presented) The vascular prosthesis according to claim 7, wherein the tubular portion, end formation and second end formation are comprised of a material other than autologous vascular tissue.
- 17. (previously presented) The vascular prosthesis according to claim 7, wherein the tubular portion, end formation and second end formation are comprised of a polytetrafluoroethylene material.

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- 18. (currently amended) A vascular prosthesis, comprising a tube and an enlargement positioned at a distal end of the tube, the tube comprising a first diameter portion extending along a majority of the length of the tube and a second diameter portion positioned adjacent the enlargement, the first diameter portion having a diameter being greater than a diameter of the second diameter portion.
- 19. (previously presented) The vascular prosthesis according to claim 18, wherein the enlargement includes an open end having a generally oval cross-section.
- 20. (previously presented) The vascular prosthesis according to claim 18, wherein the tubular portion and enlargement are comprised of a polytetrafluoroethylene material.
 - 21. (canceled).
 - 22. (canceled).
- 23. (new) A vascular prosthesis, comprising a continuous expanded polytetrafluoroethylene structure comprising a tubular part and an enlargement at a distal end of the tubular part, the enlargement including an open distal end with a diameter larger than a diameter of the tubular part.
- 24. (new) The vascular prosthesis according to claim 23, wherein the tubular part comprises a first diameter portion extending along a majority of its length and a second diameter portion positioned adjacent the enlargement, wherein a diameter of the first diameter portion is greater than a diameter of the second diameter portion.